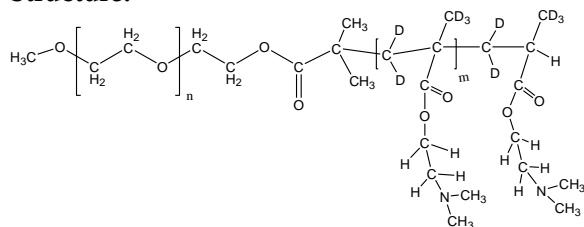


Sample Name:

Poly (ethylene oxide -b- Deuterated (d5)2-(dimethylamino) ethyl methacrylate)

Sample #: **P19353- EOd(5)DMAEMA**

Structure:



Composition:

Mn x 10 ³	PDI
PEO-b-Pd15-DMAEMA	
9.0-b-0.9	1.10
Dp: 204-b-4	

Synthesis Procedure:

By anionic and control radical process.

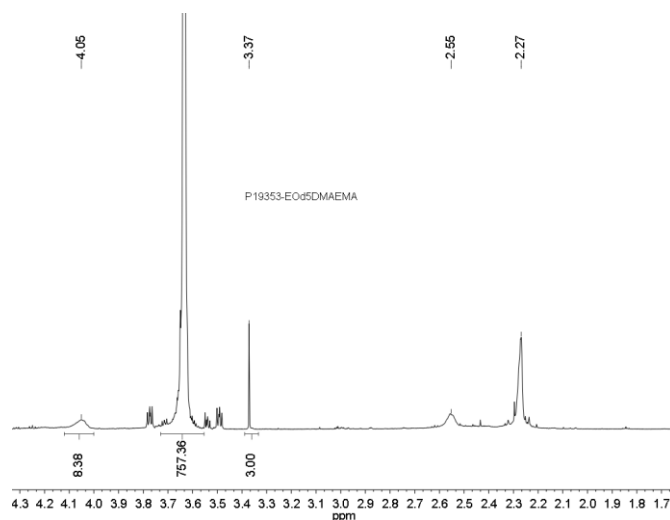
Characterization:

By SEC and HNMR and DNMR.

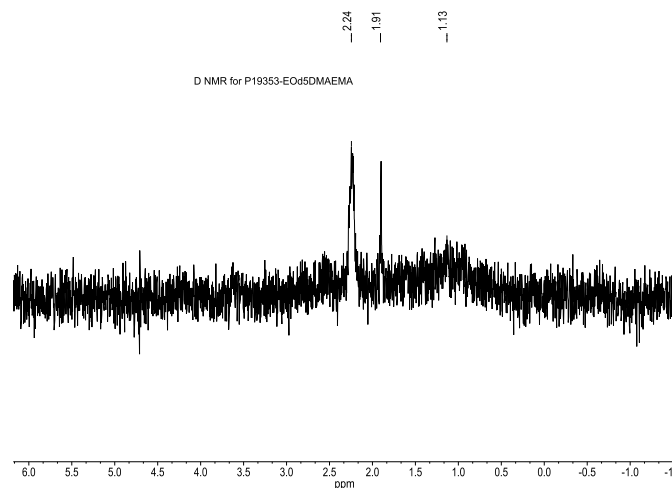
Purification of the polymer and removal of any un-reacted homopolyethylene oxide from the diblock copolymer

Solubility: The polymer is soluble in water.

DNMR of the monomer:

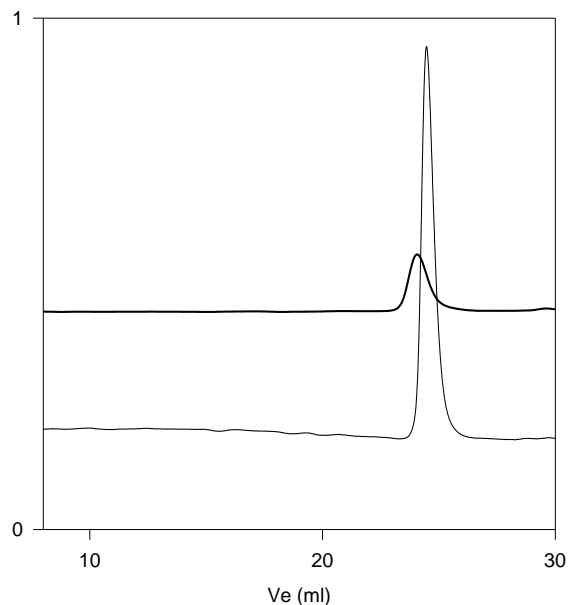


2H-NMR Spectrum of the block copolymer



SEC of the polymer:

P19353-EG-d5DMAEMA



Size exclusion chromatography of the product:

— Poly(ethylene glycol methyleher) : M_n=9,000, M_w=9,800, M_w/M_n=1.09
PEO-b-d15 DMAEMA: 9,000-b-900 M_w/M_n : 1.10